

SEQUENCE LISTING

<110> Crane, Virginia
Simmons, Carl

<120> Maize Proteinase Inhibitor-Like
Polynucleotides and Methods of Use

<130> 35718/239836

<150> 60/243,167
<151> 2000-10-25

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<211> 565
<212> DNA
<213> Zea mays

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<223> Proteinase Inhibitor-Like cDNA

<221> CDS
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Met Arg Pro Gln Leu Ile Leu Val Gly Thr Leu Ala Val Leu Ala Ile
1 5 10 15

ctc gca gct ctc ggc gaa ggc tcg tcg tcc tgg ccg tgc tgc aac aac 155
Leu Ala Ala Leu Gly Glu Gly Ser Ser Ser Trp Pro Cys Cys Asn Asn
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tgc ggt gct tgc aac agg aag cag ccg cct gag tgc cag tgc aat gac 203
Cys Gly Ala Cys Asn Arg Lys Gln Pro Pro Glu Cys Gln Cys Asn Asp
35 40 45

gtg tcg gtg aac ggg tgc cat ccg gag tgc atg aac tgc gtc aag gtc 251
Val Ser Val Asn Gly Cys His Pro Glu Cys Met Asn Cys Val Lys Val
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ggg gca gga att cgt ccc ggc atg ggc ccc ggc ccc gtc gtc acc tac 299
Gly Ala Gly Ile Arg Pro Gly Met Gly Pro Gly Pro Val Val Thr Tyr
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cgc tgt gat gac gtt ctc aca aac ttc tgc cag agc agc tgc ccg gag 347
Arg Cys Asp Asp Val Leu Thr Asn Phe Cys Gln Ser Ser Cys Pro Glu
85 90 95

gag tag ttgctgggtg gttgtgttt cttctgacgc catggacgc cagtaaccaa 403
Ala *

ccagtttgc tctctccagc ttcttcagac aagaaataga taaataaaca aatgtcaccg 463
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ataaataaat aaatagccaa aaaaaaaaaa aaaaaaaaaa aa 565

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<212> PRT
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35 40 45
Val Ser Val Asn Gly Cys His Pro Glu Cys Met Asn Cys Val Lys Val
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Gly Ala Gly Ile Arg Pro Gly Met Gly Pro Gly Pro Val Val Thr Tyr
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Arg Cys Asp Asp Val Leu Thr Asn Phe Cys Gln Ser Ser Cys Pro Glu
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<210> 3
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<212> DNA
<213> Zea mays

<220>
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<223> Proteinase Inhibitor-like promoter

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<223> oligonucleotide primer

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